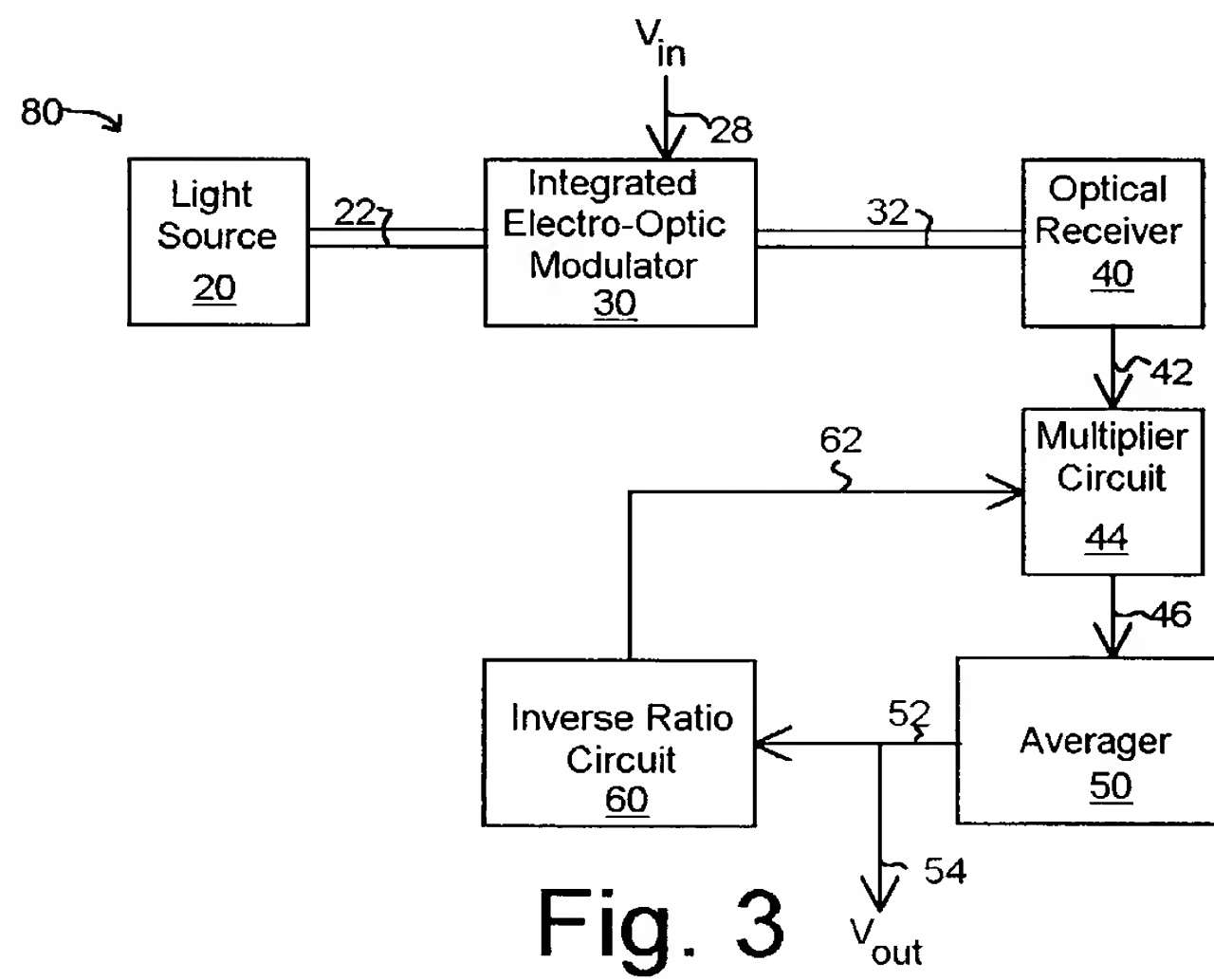
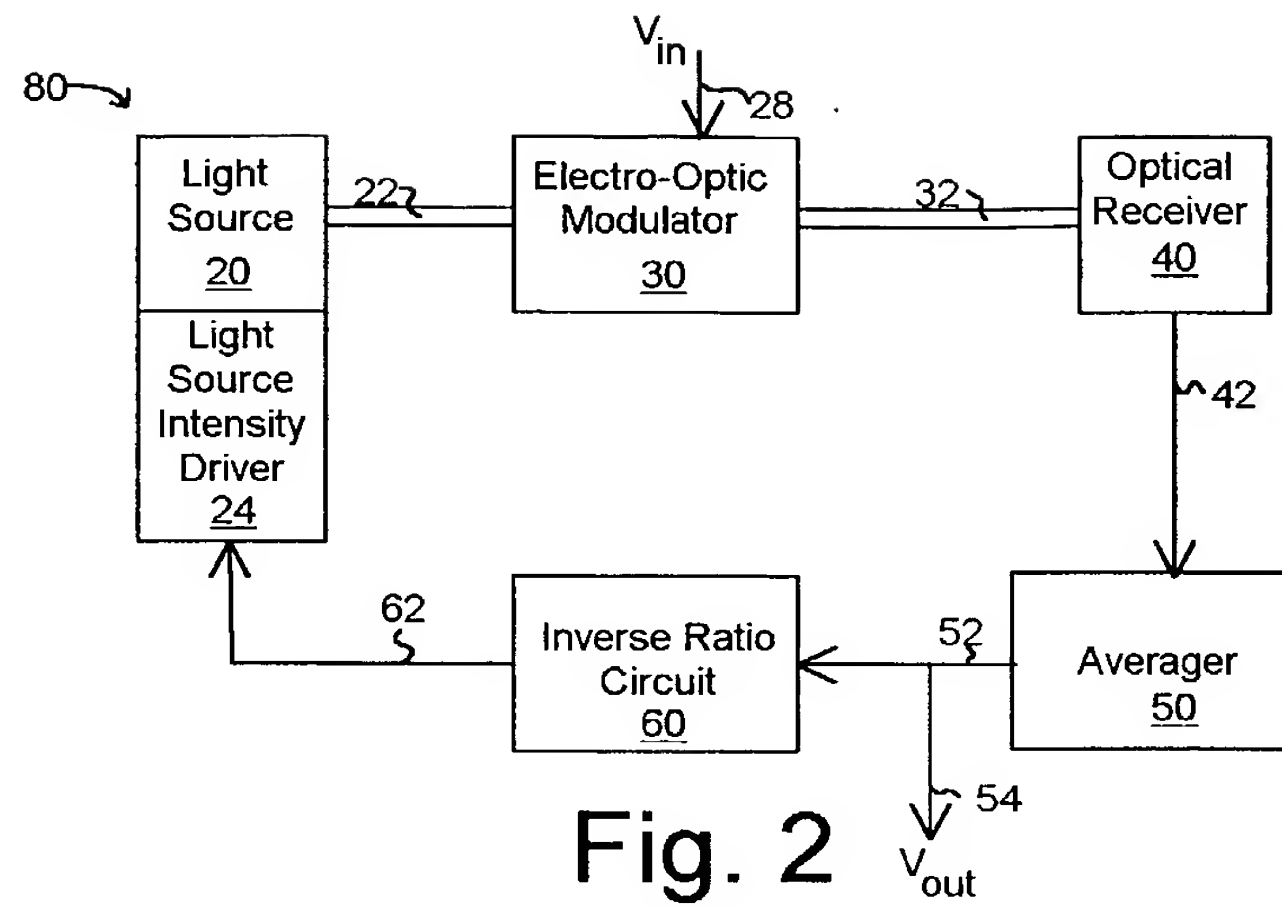


Fig. 1



The diagram shows a system 80 consisting of several interconnected blocks. A Light Source 20 is connected to an Integrated Electro-Optic Device 30 via a line 22. An input voltage  $V_{in}$  is applied to the Integrated Electro-Optic Device 30 through a terminal 28. The Integrated Electro-Optic Device 30 is connected to an Optical Receiver 40 via a line 32. The Optical Receiver 40 is connected to an Averager 50 via a line 42. The Averager 50 is connected to a Square Root Circuit 56 via a line 52. Finally, the Square Root Circuit 56 produces an output voltage  $V_{out}$  through a terminal 54.

Page 33 of 39

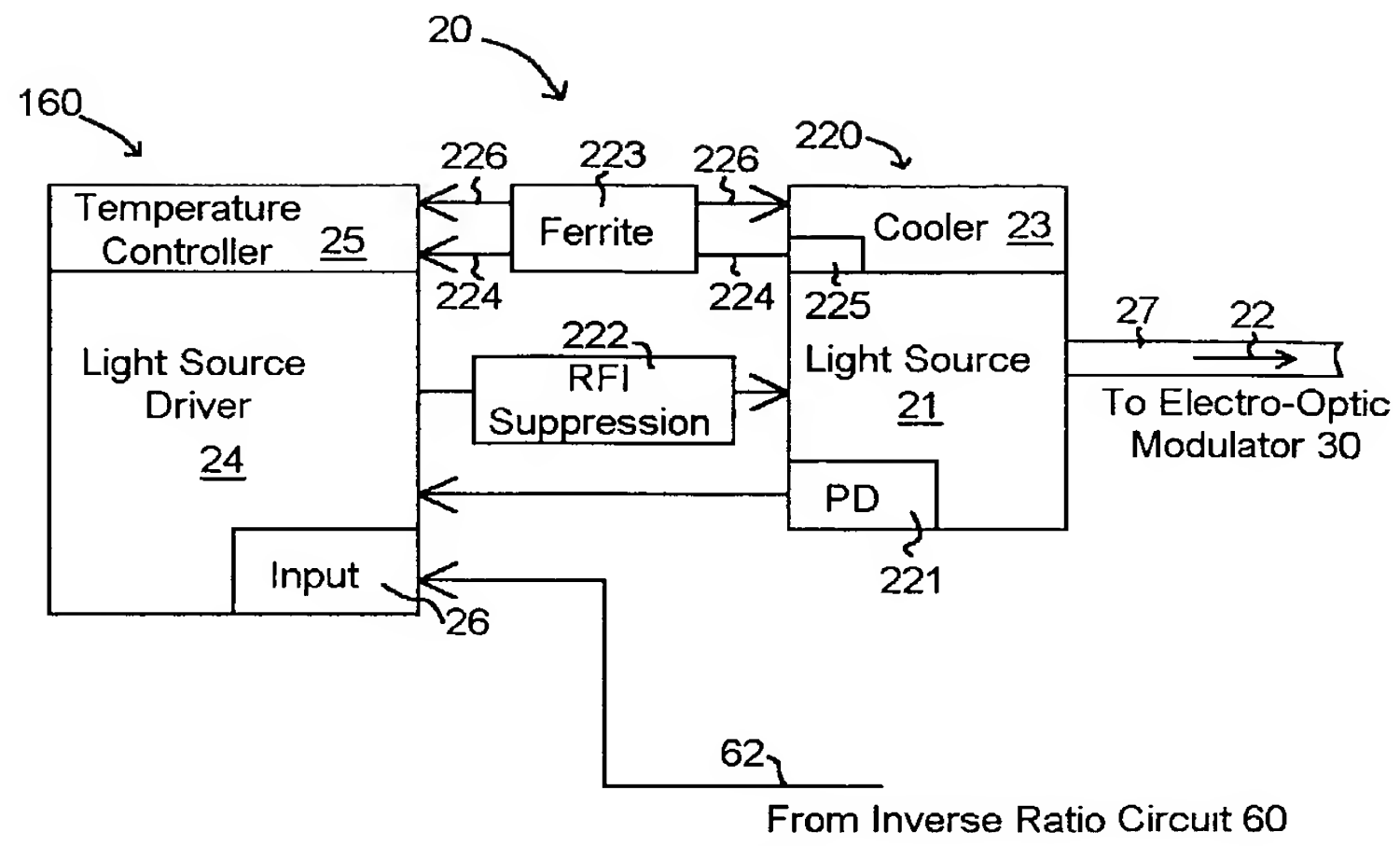


Fig. 6

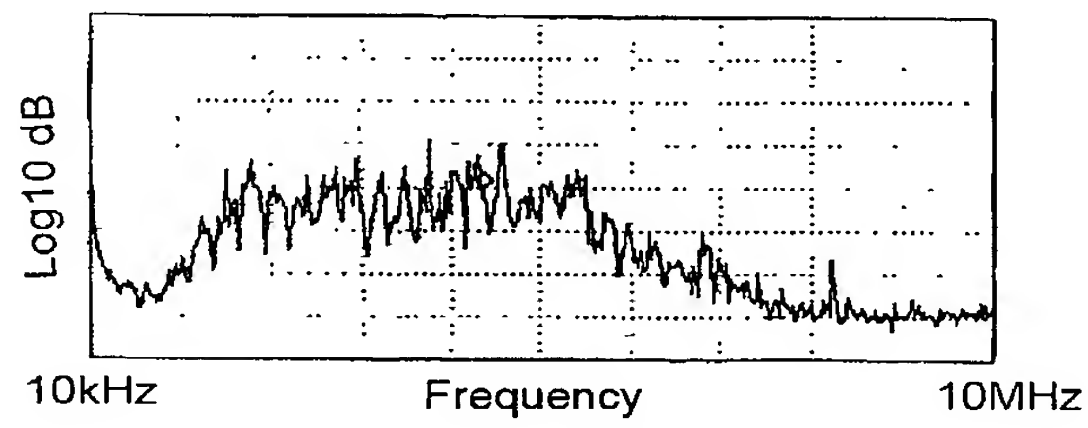


Fig. 7

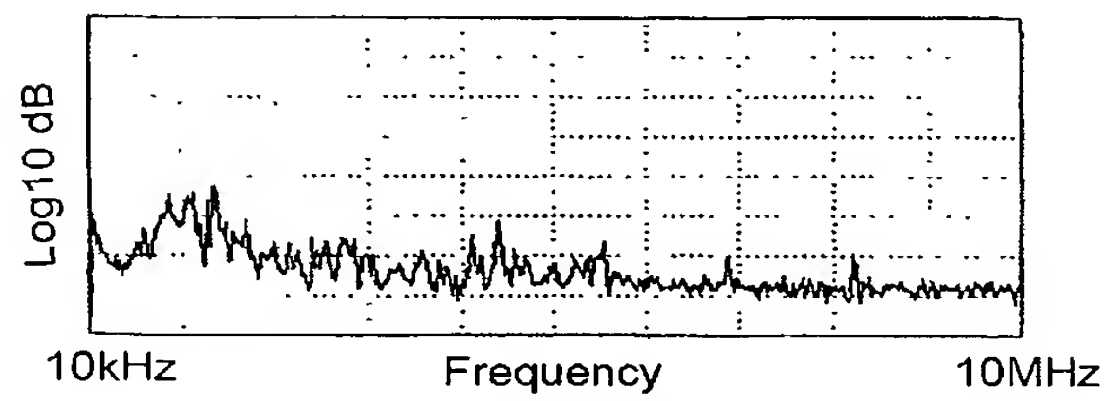


Fig. 8



Figure 1 is a log-linear plot showing the Error (%) on the y-axis (logarithmic scale, ranging from  $1E-6$  to  $1E+2$ ) versus the Modulation Depth  $m$  (radians) on the x-axis (linear scale, ranging from 0.0 to 1.0). The curve illustrates the relationship between error and modulation depth, showing a sharp initial drop in error followed by a gradual increase.

Fig. 12

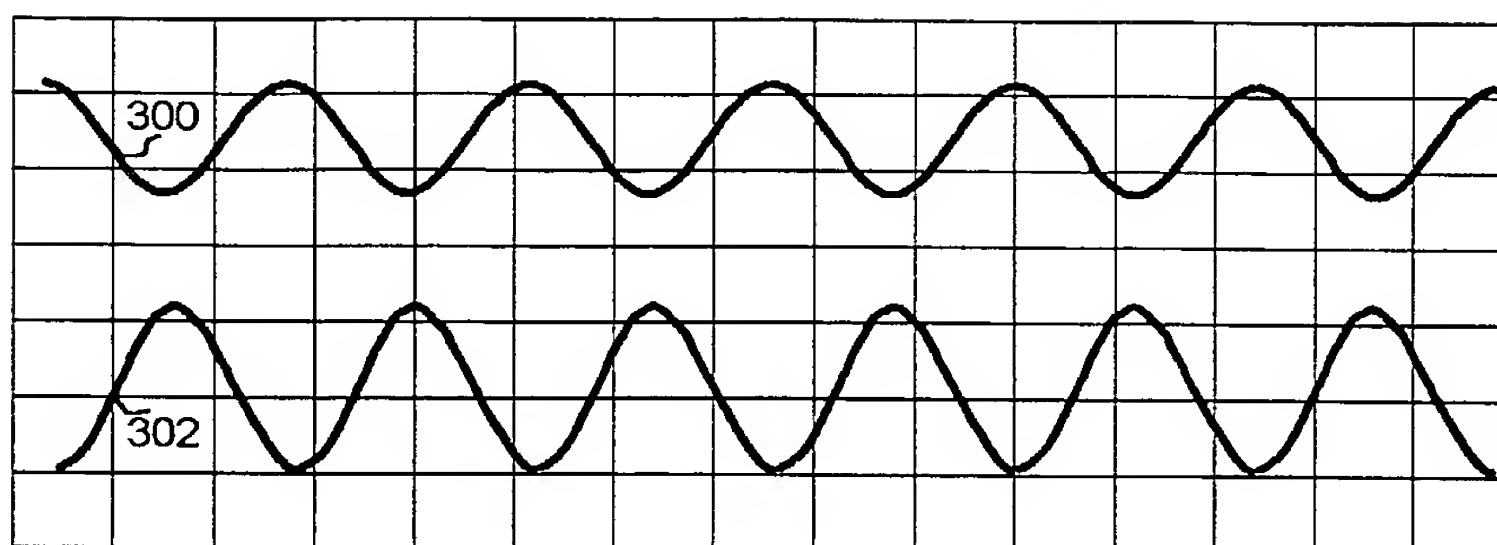


Fig. 13

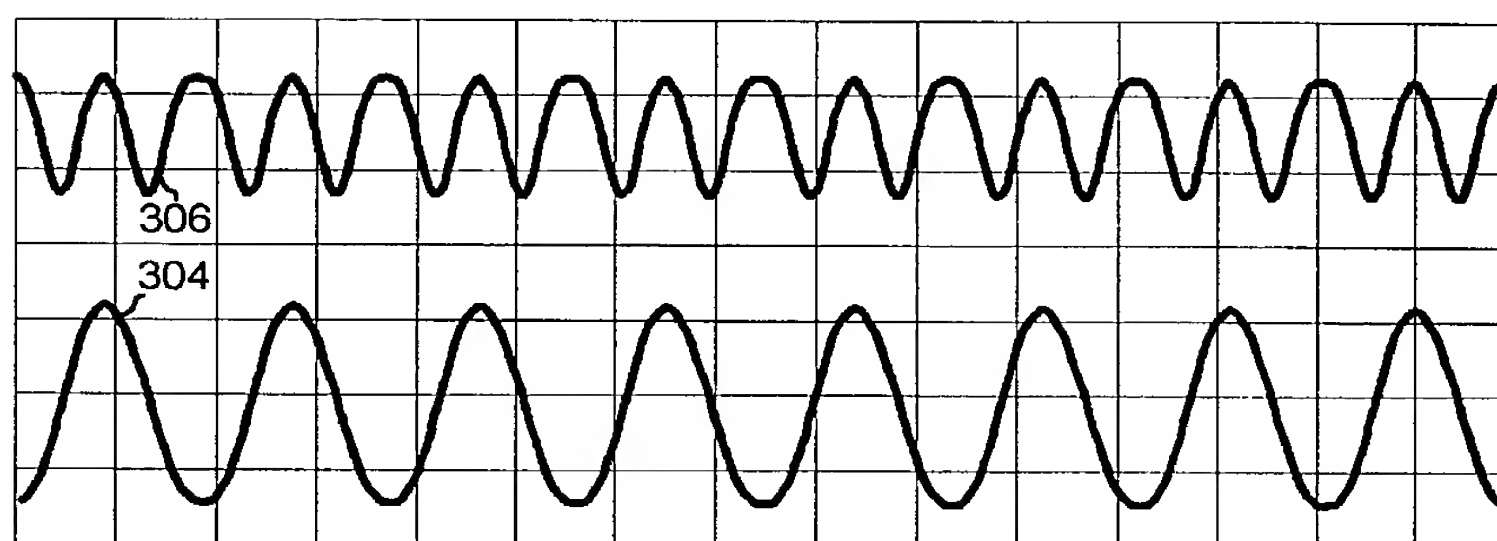


Fig. 14

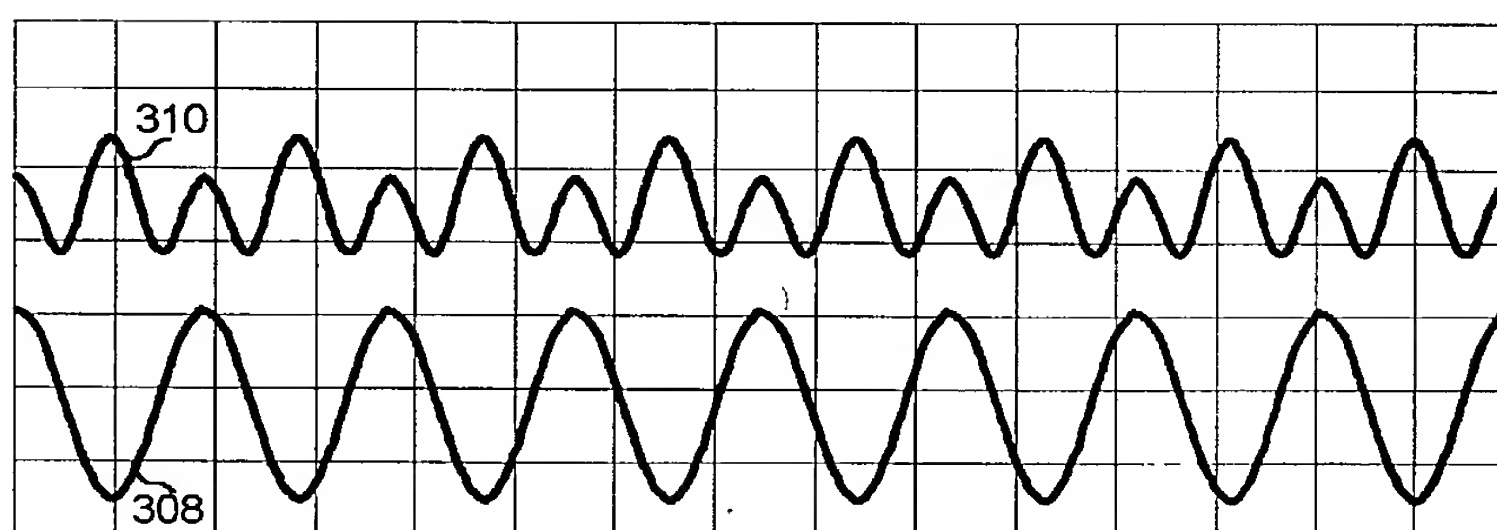


Fig. 15

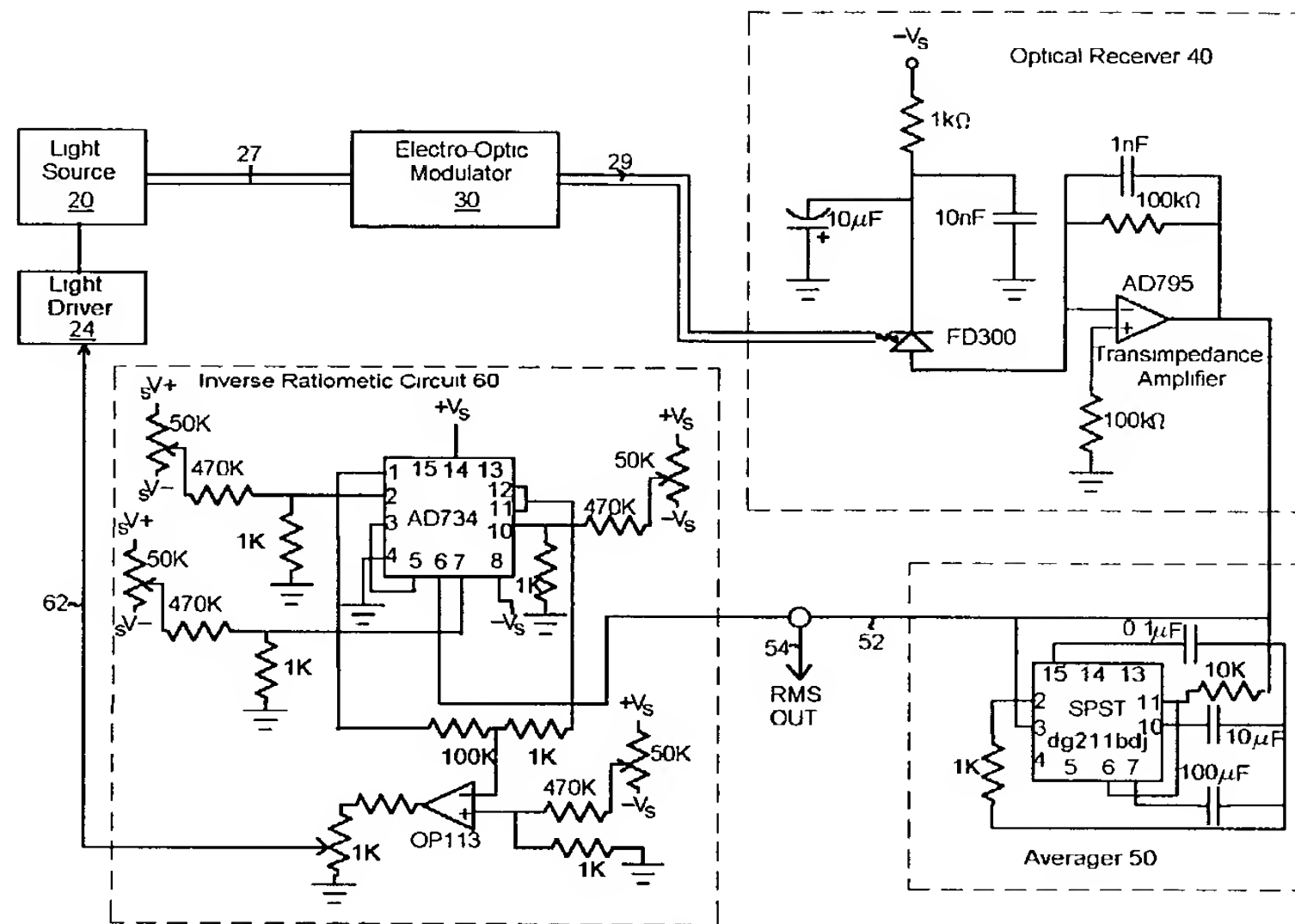


Fig. 16



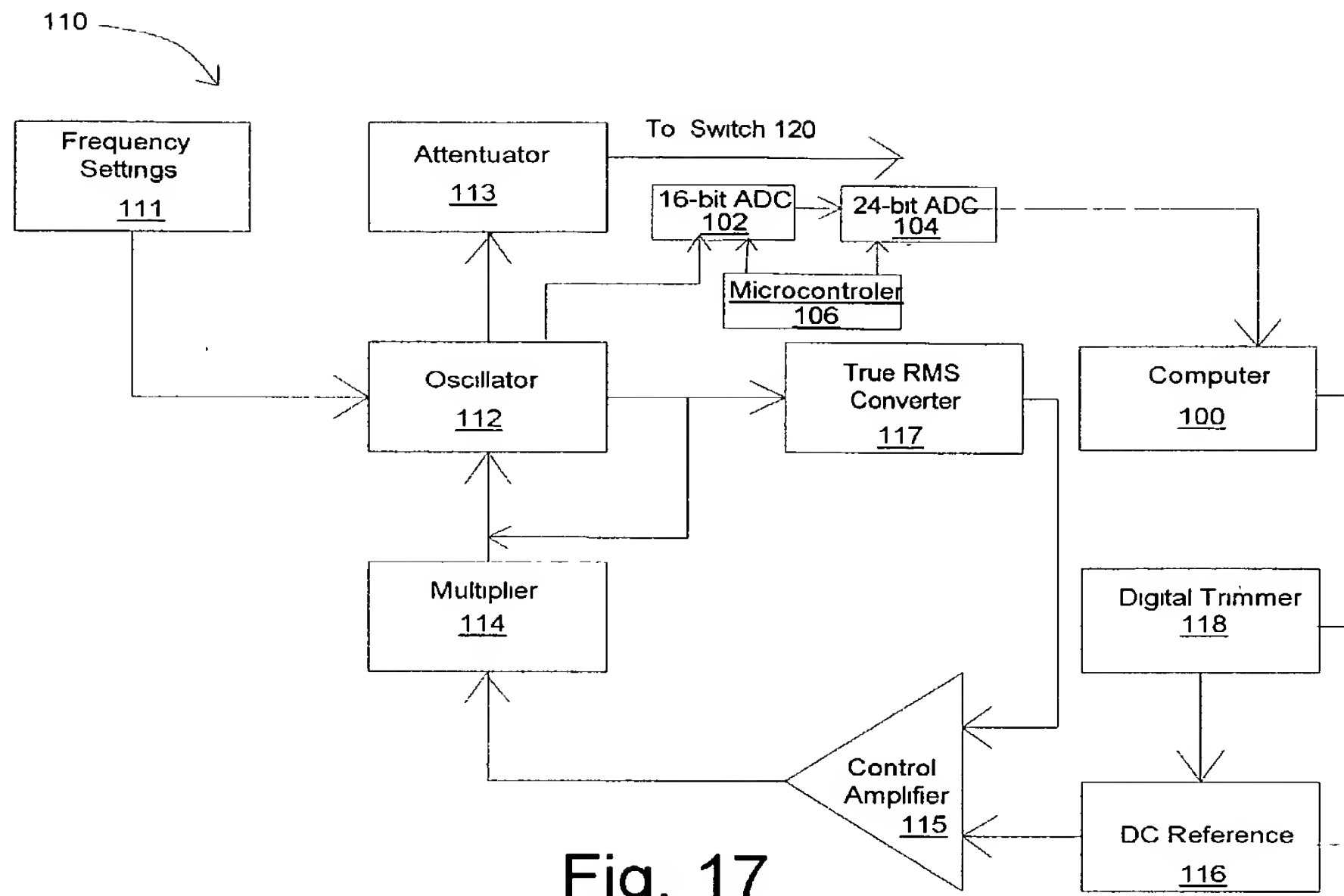


Fig. 17